



# Plant Stem Demonstration

## **Materials:**

Celery sticks

2 clear jars

2 different colors food dye (red and blue)

water

## **Instructions:**

1. Fill each jar  $\frac{1}{2}$  full of water.
2. Put 10-20 drops of food coloring into the jar (red in one and blue in the other).
3. Place a stalk of celery in each jar.
4. Have students record their observation on their lab sheet.
5. After several hours have students observe the leaves and stalk of celery.
6. Have student record their observation on their lab sheet.
7. Cut open a celery stalk and allow students to observe the “tubes” that carry the water to the leaves.

Extension: Cut the stem of a celery stalk in half up to the leaves. Place one half in one jar and the other half in the second jar.

This demonstration shows how the plant takes in water. It shows how the water travels through the stem to the leaves.





# Plant Stem Observation

## Before

My Stem observations:

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Draw a picture of the celery before:



## After

My Stem observations:

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Draw a picture of celery after:

